

# WESTERN FARM SERVICE, INC.

IN CASE OF EMERGENCY, CALL CHEMTREC  
UNITED STATES: 1-800-424-9300  
INTERNATIONAL: 1-202-483-7616

## MATERIAL SAFETY DATA

### 1. PRODUCT IDENTIFICATION

PRODUCT NAME: **FIRST CHOICE M.S.O.**  
SYNONYMS: Methylated Seed Oil- Surfactant Blend  
CHEMICAL FAMILY: Methyl Ester of Soya Oil

### 2. HAZARDOUS INGREDIENTS

OSHA REGULATED

COMPONENT	CAS. NO	WT%	EXPOSURE LIMITS
Maximum of 1 ppm Ethylene Oxide (EO) (75-21-8) May be present in the product. The OSHA PEL and ACGIH TLV for EO is 1 ppm.			

### 3. EFFECTS OF OVEREXPOSURE:

EYE: May cause irritation.  
SKIN: Prolonged skin contact may cause irritation.  
INHALATION: May cause irritation to eyes, nose, throat and respiratory tract.  
ORAL: May cause nausea, vomiting, diarrhea, and abdominal discomfort.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Overexposure to any chemical may result in enhancement of pre-existing adverse medical condition and allergic reactions.

### 4. EMERGENCY FIRST AID

EYES: Flush immediately with water for 15 minutes. Get medical attention.  
SKIN: Remove contaminated clothing. wash with soap and water. Get medical attention if irritation develops.  
INHALATION: Remove to fresh air. Apply artificial respiration if necessary.  
INGESTION: Call a physician immediately. drink 2 glasses of water or milk. Do not induce vomiting.

### 5. REACTIVITY DATA

STABILITY: Stable  
CONDITIONS TO AVOID: Prolonged excessive heat, strong oxidizing agents.  
POLYMERIZATION: Will not occur.  
INCOMPATIBILITY: Strong acids, gases, oxidizers.  
DECOMPOSITION: CO<sub>2</sub>, CO

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## 6. PHYSICAL PROPERTIES

APPEARANCE AND ODOR:	Clear pale yellow liquid, fatty odor.
BOILING POINT:	Over 200°F
MELTING POINT:	NA
VAPOR PRESSURE (mmg of Hg):	less than 1mm
SPECIFIC GRAVITY:	.891(+/- .05)
VAPOR DENSITY (AIR=1):	>1
% VOLATILE (BY WGT.%):	<2
EVAPORATION RATE (Ether=1):	<1
SOLUBILITY IN WATER:	Dispersible
pH (1% v/v)	4.0-6.0

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## 7. NFPA HAZARD RATING (National Fire Protection Association)

	Fire		FIRE:	Materials that must be preheated before ignition can occur.
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Health	1	0	HEALTH:	Materials which on exposure should cause irritation but only minor residual injury even if no treatment is given.
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	Special	Reactivity	REACTIVITY:	Materials which in themselves are normally stable, even under fire exposure conditions and which are not reactive with water.

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## 8. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT:	>250°F
FLAMMABLE LIMITS:	Not Available
EXTINGUISHING MEDIA:	Foam, Dry Chemical, CO2, Water
FIRE FIGHTING:	Use a positive-pressure, self-contained air supply. Avoid getting water from fire-fighting into domestic or irrigation water supplies.
UNUSUAL FIRE HAZARD:	NA

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## 9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:	Store in cool dry place. Keep in original container tightly closed. Do not reuse empty container.
OTHER PRECAUTIONS:	Keep out of reach of children.

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## 10. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Wear a NIOSH/OSHA approved respirator if necessary.
VENTILATION:	Normal room ventilation (mechanical) should be satisfactory.
PROTECTIVE GLOVES:	Rubber gloves.
EYE PROTECTION:	Wear goggles or a face shield.
OTHER PROTECTION:	Eye bath and safety shower. Wash with soap and water before eating, drinking, smoking, or using toilet facilities.

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## 11. SPILL OR LEAK PROCEDURES

SPILLS OR RELEASES:	Material should be collected and disposed in proper manner. Avoid Discharge to natural waters. Absorb with an inert material such as sand, soil or vermiculite. Wear suitable protective equipment.
WASTE DISPOSAL:	Do not contaminate water, food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State and Local Regulations.
CONTAINER DISPOSAL:	Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

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## 12. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

<u>Sara regulated compounds</u>	<u>% Wt.</u>	<u>CAS NO.</u>
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No compounds present in quantities which are regulated.

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## 13. OTHER INFORMATION

WARNING! This product contains a detectable amount of ethylene oxide, which is known to the State of California to cause cancer and/or reproductive toxicity.

Ethoxylated products may contain residual amounts of ethylene oxide (EO) which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading, and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29) CFR 1910.1047).

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

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